Typed or printed name

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Rajpreet Aujla Withich last

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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10/712,616 **Application Number TRANSMITTAL** Filing Date November 12, 2003 **FORM** First Named Inventor Jing Huang (to be used for all correspondence after initial filing) Art Unit 1631 **Examiner Name TBA**

Total Number of Pages in This Submission 183 Attorney Docket Number 3533.1 ENCLOSURES (check all that apply) After Allowance Communication to Fee Transmittal Form Drawing(s) Group Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to Group Petition Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Change of Correspondence Address Terminal Disclaimer Other Enclosure(s) Extension of Time Request (please identify below): PTO Form 1449 (2 pp.) Request for Refund Express Abandonment Request **Postcard** CD, Number of CD(s) ___ Non-U.S. Patent References Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Sandra Wells Reg. No. 52,349 Individual name Signature Date June 16, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

June 16, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Huang, Jing et. al.

Serial No: 10/712,616

Filing Date: November 12, 2003

Title: Methods for Identifying DNA

Copy Number Changes

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Examiner: TBA

Group Art Unit: 1631

INFORMATION DISCLOSURE

STATEMENT

Dear Sir:

Pursuant to 37 CFR § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying U.S. Patent & Trademark Office's Modified Form-1449 are called to the attention of the Examiner for consideration in connection with the above-identified patent application. Copies of the non-U.S. patent documents are enclosed.

Citation of these documents shall not be construed as (1) an admission that the documents are necessarily prior art with respect to the instant invention; (2) a representation that a search has been made; or (3) an admission that the information cited herein is, or is considered to be, material to patentability in any way, including that as defined in § 1.56(b).

Applicants believe that <u>no fee is required</u> for submission of this statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Account No. 01-0431 in order to have this Information Disclosure Statement considered.

Dated: June 16,2004

Respectfully submitted,

Customer No. 22886
Legal Department
Affymetrix, Inc.
3380 Central Expressway
Santa Clara, CA 95051

Tel: (408) 731-5000/Fax (408) 731-5392

Sandra Wells Reg. No. 52,349

PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Mar. 18	Complete if Known	
Application Number	10/712,616	
Filing Date	November 12, 2003	
First Named Inventor	Jing Huang	
Art Unit	1631	
Examiner Name	Unknown	
Attorney Docket Number	3533.1	J

	U.S. PATENT DOCUMENTS					
Examiner Cite No.1		Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	Α	US-6,468,744	10-22-2002	Cronin, et al.		
	В	US- 6,455,258	09-24-2002	Bastian, et al.		
	С	US- 6,335,167	01-01-2002	Pinkel,et al.		
	D	US- 6,326,148	12-04-2001	Pauletti, et al.		
	Е	US- 6,309,822	10-30-2001	Fodor, et al.		
	F	US- 6,180,349	01-30-2001	Ginzinger et al.		
	G	US- 5,976,790	11-02-1999	Pinkel et al.		
	Н	US- 5,965,362	10-12-1999	Pinkel et al.		
	ı	US- 5,856,097	01-05-1999	Pinkel et al.		
	J	US- 5,665,549	09-09-1997	Pinkel et al.		
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FOREIGN PATENT DOCUMENTS						
Examiner Cite	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T⁵
	К	WO 99/23256	05-14- 1999	Wigler et al.		
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Examiner Signature	Date Considered	

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Substitute for form 1449B/PTO

Complete if Known Application Number 10/712,616 Filing Date November 12, 2003 First Named Inventor Jing Huang Art Unit 1631 Examiner Name Unknown

(Use as many sheets as necessary)

of 3 3533.1 Sheet Attorney Docket Number

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	 L	BUCKLEY et al., A Full-coverage, High-resolution Human Chromosome 22 Genomic Mircroarray for Clinical and Research Applications. Human Molecular Genetics, 2002, 3221-3229, Vol. 11(5).	
	М	DUMUR et al., Genome-wide Detection of LOH in Prostate Cancer Using Human SNP Microarray Technology. Genomics, 2003, 260-269, Vol. 81.	
	N	KALLIONIEMI et al., Comparative Genomic Hybridization: A Powerful New Method for Cytogenetic Analysis of Solid Tumors. Science, 1992, 818-821, Vol. 258.	
	0	KENNEDY et. al., Large-scale Genotyping of Complex DNA. Nature Biotechnology, October 2003, 1233-1237, Vol. 21 (10).	
	Р	KLEIN et al., Comparative Genomic Hybridization, Loss of Heterozygosity, and DNA Sequence Analysis of Single Cells, Proc Natl Acad Sci, 1999, 4494-4499, Vol. 96.	
	a	LINDBLAD-TOH et al., Loss of Heterozygosity Analysis of Small Cell Lung Carcinomas Using Single-Nucleotide Polymorphism Arrays. Nature Biotechnology, September 2000, 1001-1005, Vol. 18.	
	R	LUCITO et al., Representational Oligonucleotide Microarray Analysis: A High-Resolution Method to Detect Genome Copy Number Variation. Genome Research, 2003, 2291-2305, Vol. 13 (10).	
	S.	LUCITO et al., Detecting Gene Copy Number Fluctuations in Tumor Cells by Microarray Analysis of Genomic Representations. Genome Research, 2000, 1726-1736, Vol. 10(11).	
	Т:	LUCITO et al., Genetic Analysis Using Genomic Representations. Proc Natl Acad Sci, April 1998, 4487-4492, Vol. 95.	
	U.	MEI et al., Genome-wide Detection of Allelic Imbalance Using Human SNPs and High-density DNA Arrays. Genome Research. 2000, 1126-1137, Vol. 10 (8).	
	V	PINKEL et al., High Resolution Analysis of DNA Copy Number Variation Using Comparative Genomic Hybridization to Microarrays. Nature Genetics, 1998, 207-211, Vol. 20.	

Examiner	Date	
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Signature	Considered	

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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of 3

Complete if Known **Application Number** 10/712,616 Filing Date November 12, 2003 First Named Inventor Jing Huang Art Unit 1631 Examiner Name Unknown 3533.1 Attorney Docket Number

(Use as many sheets as necessary)

NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of T² Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initiäls 1 No. number(s), publisher, city and/or country where published. POLLACK et al., Microarray Analysis Reveals a Major Direct Role of DNA Copy Number Alterations in the W Transcriptional Program of Human Breast Tumors. Proc Natl Acad Sci, October 2002, 12963-12968, Vol. 99 (20). SCHUBERT et al., Single Nucleotide Polymorphism Array Analysis of Flow-Sorted Epithelial Cells from Frozen Х Versus Fixed Tissues for Whole Genome Analysis of Allelic Loss in Breast Cancer. Am J Pathol, 2002, 73-79, SNIJDERS et al., Assembly of Microarrays for Genome-wide Measurement of DNA Copy Number. Nature Υ Genetics, 2001, 263-264, Vol. 29.

Examiner	Date	
Signature	Considered	

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